ANDRES TAMAYO

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OBJECTIVE

To obtain an embedded computing engineering position in a leading company in the industry by using my ability to adapt to different working environments while establishing and meeting project goals.

EDUCATION

Master of Computing Studies, Embedded Systems Concentration GPA 4.0 Dec 2006
Arizona State University Mesa, Arizona

Bachelor of Science and Engineering, Computer Systems Dec 2003
Arizona State University Tempe, Arizona

ACADEMIC PROJECTS

Designed, implemented and documented a PDA Internet-Enabled Heart-Rate Monitor Application.
Designed and implemented an Internet-Enabled Robotic Arm.
Embedded software system applications like alarm systems, LCD text processors, and real-time clocks.
Built a Time-sliced Multi-tasking Operative System for a microcontroller.
Upgraded the package distribution and graphical user interface of a Firewall application.
Implemented software applications for microprocessor components using high, middle and low level language.
Created Engineering Numerical Models using high-level languages.
Teamed up with other engineering students to supervise and develop different software applications.
Analyzed and developed different data types and structures.

HONORS

Member of Phi Theta Kappa International Honor Society (1999 - 2000)
Recipient of the Mesa Community College Mathematics and Computer Science Scholarship Award (2000)
The National Dean's List Biography Publication Award (2003-2004), (1999-2000)

SOFTWARE SKILLS

Personal Digital Assistant (PDA) Programming using Java MicroEdition language
Modeling Software Programming using Rational Rose Realtime
Embedded System Programming using Java and C languages
Object Oriented Programming using Java and C languages using UML design techniques
Assembly Language Programming for Motorola's microprocessors and Intel Pentium processors
MS-Windows and UNIX/Linux Operative System Environment and Shell Scripting
Functional and Logic Programming using Scheme and Prolog languages
Numeral Models implementation programming using Matlab 6.1.
Database Software Development using PowerBuilder 8
Storage Procedures Development using SQL language

EMPLOYMENT

LRC Management Intern - Arizona State University Jan 2004 - Present
Created pilot for new online tutoring program involving ASU's Tempe and Polytechnic campuses.
Collaborate with the ASU Mathematics Department to train the LRC mathematics tutors.
Developed training sessions and materials for new online tutors.
Provided technical support to computer components needed during online tutoring sessions.
Interviewed and selected face-to-face tutors that became online tutors for the program.

Information Technology Developer Internship – The Arizona Republic Apr 2004 – Jul 2004
Created and modified existing storage procedures to ensure accurate database information transactions.
Modified existing UNIX shell scripts in order to solve problems encountered by users.
Designed, developed, and documented a MS Access Database created to manage competitor's information.

Mathematics, Computer Science, and Spanish Tutor - Arizona State University Jan 2001 – Dec 2003
Piloted synchronous online tutoring program for all the 3 major universities in Arizona.
Provided strategies in subject areas and general academic skills including time management & organization.

OTHER SKILLS AND QUALIFICATIONS

Languages: Spanish (Native); English (Fluent)